



SC debrief

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For SimGrid

- ▶ Presentation of a paper on simulation of MPI applications
- ▶ Participation to WSSSPE
 - ▶ SimGrid's development has to remain sustainable
- ▶ Occasion to meet some (happy) users of SimGrid
 - ▶ That we didn't even know about
- ▶ Do some networking to set up future collaborations

For CC-IN2P3

- ▶ Promote CC-IN2P3 activities and development
- ▶ Strengthen the informal collaboration on SNFactory
 - ▶ Discussions with S. Perlmutter and the Pegasus Team

History

- ▶ Contact initiated by LBNL team via Inria contact at Berkeley
- ▶ Came back through Avalon Team
- ▶ Ended up by a local collaboration with IPNL and LIP
 - ▶ With Y. Copin and R. Pereira

Objectives and method

- ▶ Optimize the execution and improve failure reports
- ▶ Method
 - ▶ Deconstruct the *plans* into elementary operations
 - ▶ Express the workflow in a standard format (DAX files)
 - ▶ Run it with a proper workflow engine (Pegasus)
 - ▶ Study scheduling strategies





Workshop on Sustainable Software for Science: Practice and Experiences

- ▶ *Being the best doesn't mean victory*
 - ▶ Easier to adopt solutions may succeed instead
 - ⇒ Communication and user support
- ▶ *Quality breeds trust which breeds support*
 - ⇒ Develop and optimize, again and again